

Electronic module UMEU, M24

1. SCOPE

This document explains work description for electronic module UMEU, M24.

2. SISTEM DEFINITION

2.1 FUNCTIONS OF THE ELECTRONIC MODULE UMEU, M24

2.1.1. Impact function

2.1.2. Directed function

2.2 ELECTRONIC MODULE UMEU, M24 DESCRIPTION

2.2.1. Layout of the Electronic module UMEU, M24 (Figure 1.)



Figure 1. Electronic module UMEU, M24

2.2.2. General working principles (Figure 2.) :

- (1) By powering ON drone batteries, electronic module power is ON and blocking time counting is started (30 s or on customer demand);
- (2) Transport safety fuse TF is pulled out;
- (3) Working safety fuse WF is pulled out;
- (4) After pulling out transport and working safety fuse (TF and WF) drone is ready to takeoff;
- (5) After blocking time expiration initial signal is send (Figure 3.);
- (6) After receiving of the initial signal fuze is ready for arming (7);
- (8) Arming signal is send (Figure 4.);
- (9) After receiving of the arming signal, time of 2 s is counting down;
- (10) After expiration of 2 s fuze get permit for work of executive electronic;
- (11) Target detection (impact function) or receiving firing signal (Figure 5.) (directed function);
- (12) Firing.

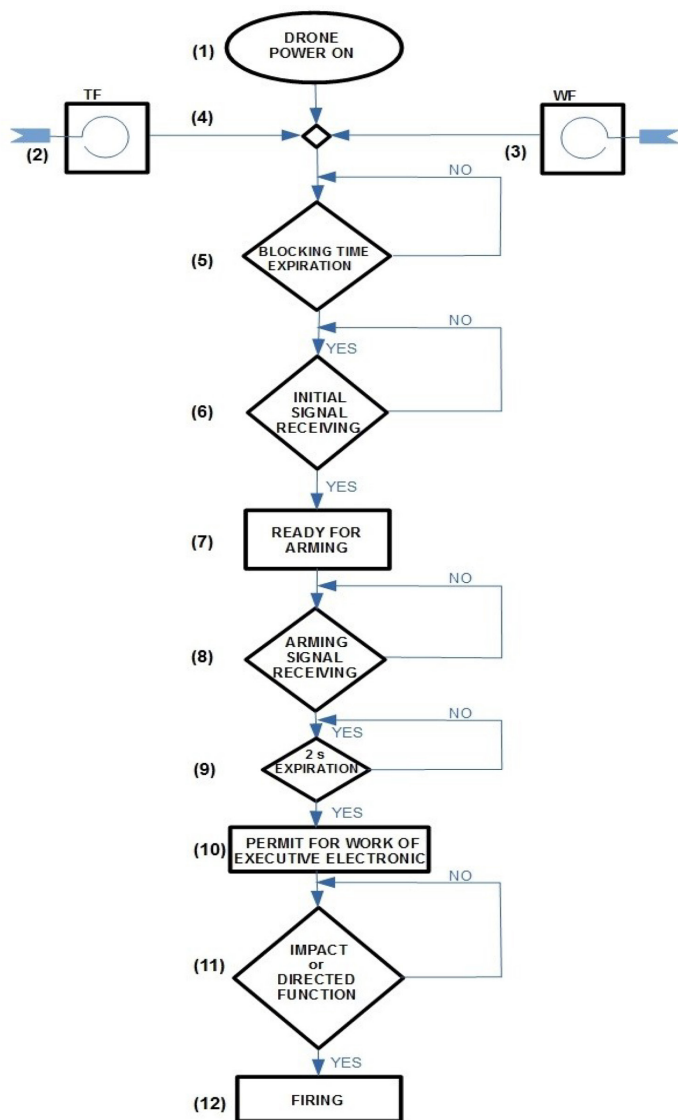


Figure 2. General working principles

2.2.3 Electronic module UMEU, M24 connection

Electronic module UMEU, M24 should be connected with built-in chassis connector DEGSON SD-M80-03P-MM-SF7C50-00Z(H), in the manner shown on Figure 6., on the cable connector DEGSON PASH-M8A-03P-FF-SL7001-00Z(H).

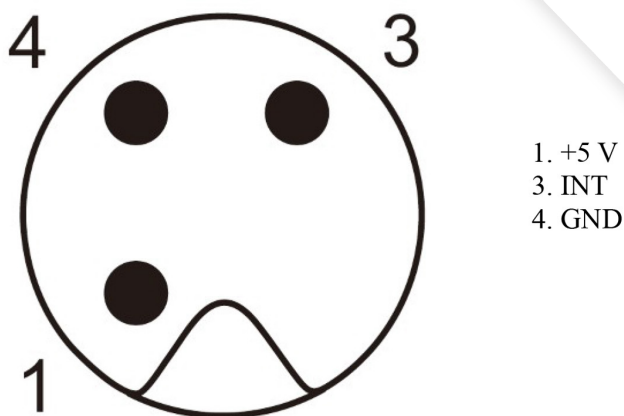


Figure 6. Chassis connector DEGSON SD-M80-03P-MM-SF7C50-00Z(H)

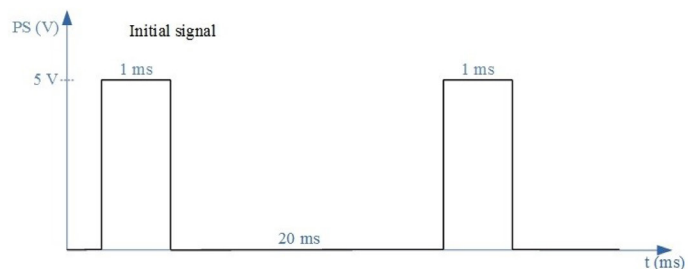


Figure 3:Initial signal

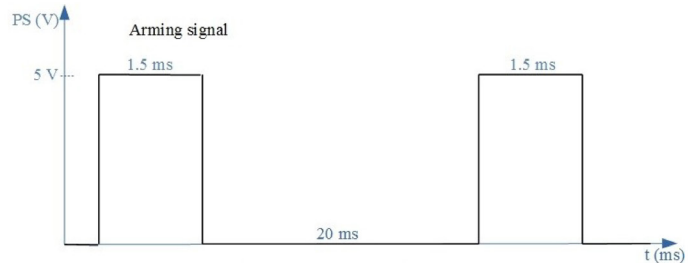


Figure 4: Arming signal

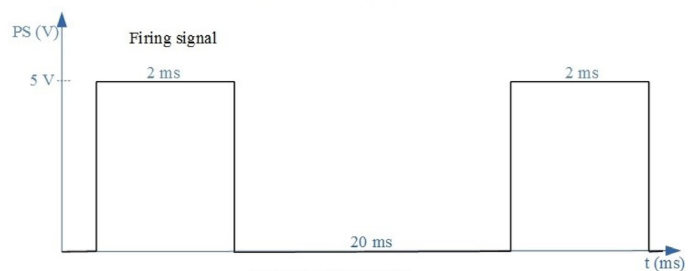


Figure 5: Firing signal

